	Facility Description						Facility Descriptions		Effluent Data					
Permit Number	Facility Name	SIC	County	City	Receivine Water	Permit Date	Type of Facility	Effluent Stream	Treatment System	Monitoring Notes (impt to nutrients)	Average Flow (s)	Nitrogen Constituents	Phosphorus Constituents	Notes	Current Level
MT0000264	Cenex Harvest States Cooperative	2911	Yellowstone	Laurel	Yellowstone River	1999	Petroleum Refinery	Outfall 001 - Process Wastewater Cooling Tower Blowdown Collected Stormwater Runoff	3-Parkenrood separators 2 API oil-water separators DAF Aerated Sludge Digestion Clarification Sludge retention pond 2 aerated retention ponds	Routine monitoring for flow and ammonia Ammonia limits - Daily Max = 418 lb/d 30 d avg = 191 lb/d	1994-1998 data Mean annual high monthly average Flow = 0.797 MGD Mean annual average monthly flow = 0.697 MGD	Ammonia Avg Daily Max = 12 lb/d Highest Daily Max = 66 lb/d Mean 30 d avg = 5 lb/d Highest 30 d avg = 30 lb/d			Level 1
MT0000094	JOHN R DAILY INC	2013	Missoula	Missoula	Clark Fork River	2007	Food Processine. meat processine	Outfall 001 - Minor Industrail Non-Contact Cooling Water Discharge			3-day Average: 0.0619. Daily Min: 0.045. Dailv Max: 0.139 (med)			Only NCCW effluent	
MT0000256	Conoco Phillips Billinas Refinery	291	Yellowstone	Billinas	Yeaen Drain	2008	Petroleum Refinery	Outfall 001 - Process Wastewater Collected Stormwater Runoff Contaminated groundwater Outfall 002 - hydrostatic testine water (potable supply)	Outfall 001 - *cross-plate separators (solids and oil) *DAF *Activated sludge *Aeration and equilization tanks *Bio-oxidation ponds *holding and emergency ponds *stabilization/polishing ponds Outfall 002 - with potable water inout no treatment	Ambient monitoring of Yegen Drain 2005-2007 Total N = 15.02 mg/L (max) total P = 0.48 mg/L (max) Have supplemental monitoring requirements for TN and TP	Mean daily max = 0.70 mgd Max daily max = 2.70 mgd Mean 30 d average = 0.50 mgd Max 30 d average = 0.75 mgd	Effluent TN (2 samples) Avg = 12.04 mg/L Max = 13.02 mg/L Receiving water TN (X samples) Avg = 15.02 mg/L	Effluent TP (2 samples) Avg = 3.98 mg/L Max = 4.96 mg/L Receiving water TP (X samples) Ave = 0.48 me/L	Check DMR for additional data	Level 1
MT0000019	BN WHITEFISH FACILITY	4011	Flathead	Whitefish	Whitefish River	2010								Statement of Basis received was for a permit modification (outfall relocation)	
MT0000191	MONTANA RESOURCES		Silver Bow	Butte	Silver Bow Creek	2000	Open pit copper molvbdenum mine	Outfall 004 - Tailines pond	Tailing is sluried to a tailing impoundment. Lime is added.		Calculation are based on 5.04 med	Median and mean concentrations for TN was approx. 2.0 me/l			Level 4
MT0000230	MONTANA SULPHUR & CHEMICAL CO	2819	Yellowstone	Billinas	Dry Creek	2007	MSCC processes refinery "acid gas" and "sour fuel gas" from ExxonMobil and returns processed fuel gas to the refinery. Chemical products and gases are produced from the gas treatment process. The MSCC gas treatment process scrubs and de-sulfurizes fuel gases and processes hydrogen sulfide-containing gases into elemental sulfur (brimstone)	Outfall 001 - Minor - privately owned treatment works with non-contact cooline water	After non-contact cooling water is used, it is discharged at various points into the plant drainage culvert that drains to Dry Creek. In addition, as stated above, the solids content from water filters, softener regeneration wastewater and back flush water are discharged with non-contact cooline water.		1.439 esm				
MT0000248	SIDNEY SUGARS INCORPORATED	2063	Richland				The applicant processes sugar beets to produce refined suaar.	Outfall 001 — Process water to unnamed irrigation return channel Outfall 002 — Process water to Yellowstone River via shallow ground water Outfall 003 — Process water to unconfined shallow aquifer Land Application	primary settling achieved by the clarifier and in the various factory site impoundments		Outfall 1: 164,253 gpd. Outfall 2: 143.996 esd				level 1
MT0000281	WESTERN SUGAR COOPERATIVE	2063	Yellowstone		Yeaen Drain	2009	The applicant processes sugar beets to produce refined suaar.	001 — Process Wastewater 002 — Process Wastewater and Cooling Water 004 — Process Wastewater	001 - two aerated treatment oonds.		The average flow contributed by the each outfall is listed on the renewal application as: 2.1 million gallons per day (mgd) at Outfall 001; 2.4 mgd at Outfall 002; and 0.04 mgd (48.4 gallons per minute) at Outfall 004.	001 - Total Ammonia as N (mg/l) Min: 16; Max: 44; Ave: 33.3			level 1
MT0000302	MDU - LEWIS & CLARK PLANT	4911	Richland		Yellowstone River	2000	coal fired steam electric eeneratine plant	Outfalls 002 and 004 - once-through non-contact cooling water (002 winter, 004 summer) Outfall 003 - wash water from sand sump pump and screen Outfall 007 - Discharge from an ash disposal pond containing ash sluice water, evaporator and boiler blow down, floor drains, water treating sludge filter and softener rinse, metal cleaning wastes and storm water		No Nutrients monitoring requirements	42.34 mgd (majority is once-through cooling water). Ash pond discharae is 0.36 mad				
MT0000388	MONTANA RAIL LINK -LIVINGSTON RAIL YARD	4011 an	Park	Livingston	Yellowstone River	2004	MRL operates a wastewater treatment plant (WWTP) that treats wastewater from two facilities. MRL operates it's own railroad engine overhaul and heavy maintenance facility and Talgo-LRC, LLC (formerly known as the Livingston Rebuild Center, Inc.) operates a locomotive engine rebuilding facility.	001 — Discharge pipe at Yellowstone River	grit separation equalization tank oil skimming chemical coagulation flocculation dissolved air flotation multimedia filtration carbon adsorption.	No Nutrients monitoring requirements	0.0384 mgd				
MT0000396	CORETTE THERMAL PLANT	4911	Yellowstone	Billinas	Yellowstone River	1999	coal fired steam electric eeneratine plant	Outfall 002 - once-through cooling water Outfall 003 - Discharge from the bottom ash handling system, and miscellaneous low volume wastes from plant floor drains, furnace seal water evaporation blowdown, and storm water runoff not to include runoff from coal stock oiles		No Nutrients monitoring requirements	Outfalls 002 is a discharge of condenser cooling water with an estimated flow of 50 MGD and a maximum flow of 131 MGD. Outfall 003 is a discharge which consists of an estimated 210 gpm from the Corette Plant bottom ash waste water, 1 gpm from plant floor drains, 10 gpm from the furnace seal water, 12 gpm from the evaporator blowdown and storm runoff from the plant site not to include storm runoff from coal stockoiles				
MT0000451	ASH GROVE CEMENT COMPANY	1422 an	Jefferson		Prickly Pear Creek	2010	non-leaching wet process to manufacture Portland cement.	001 Treated Wastewater and Storm Water 002 Treated Wastewater and Storm Water 003 Regulated Storm Water	Holding pond	No Nutrients monitoring requirements	Outfall 001: 0.043 mgd Outfall 002: 0.049 mgd Outfall 003: 0.08 mgd				
MT0000477	EXXONMOBIL REFINING & SUPPLY	2911	Yellowstone	Billinas	Yellowstone River	2009	petroleum refinery	001 — treated process wastewater from the refining process, 002 — noncontact cooline water	The Wastewater Treatment Plant (Outfall 001) consists of an American Petroleum Institute approved (API) separator, induced air flotation (IAF) unit, a biological oxidation lagoon, and stabilization/polishine ponds		Treatment Plant: 1 mad	Total Nitrogen Effluent mg/L min: 18.5 Max: 18.5 Ave: 18.5	Total Phosphorous Effluent mg/L Min: 0.73 Max: 0.76 Ave: 0.75 2		Level 1
MT0000485	TRIDENT PLANT	3241	Gallatin	Three Forks	Missouri River	2009	non-leaching wet process to manufacture cement.	002 Treated Wastewater	extended aeration package plant consisting of a combined aeration tank and clarifier.		0.007 mgd	TN (mg/l) - Min: 2.5; max: 19.1, ave: 7.4.	TP (mg/l) - min 0.2, max: 1.1, Ave: 0.5.		Level 2
MT0000884	BIG SKY COAL COMPANY - BIG SKY MINE	1221	Rosebud	Colstrio	Lee, Emile, Miller, and Hay Coulees (tributary to Rosebud Creek)	2008	surface coal mine	21 outfalls. All treated stormwater	sediment oond	No Nutrients monitoring requirements	0.33 med				
MT0000892	DECKER COAL CO (WEST MINE)		Bie Horn	Decker	Tonaue River Reservoir	2006	surface coal mine	001 — treated pit water and commingled storm water discharged from pond #4; 005- treated coal preparation plant associated areas and commingled storm water from pond #1 007 — treated pit water and commingled storm water discharged from settling pond #24; 008 — spoil pile runoff and storm water discharged from settling pond #25 010 — spoil pile runoff and storm water discharged from settline pond #26	sedimentation ponds.		1.12 med	TN: min: 0.46, Max: 3.39, Ave: 2.01	TP: min >0.01, max: 0.23, ave: 0.07		Level 4
MT0020460	YELLOWSTONE BOYS & GIRLS RANCH	7032	Yellowstone	Billings	Canyon Creek	2004	psychiatric and other treatment and support for children, youth and their families	001 Treated Wastewater	Three-cell facultative lagoon without disinfection.		Intermittent discharge. Design flow: 0.023 mgd	TN: Min: 9.6, Max: 19, ave: 15.8	TP: Min: 2.45, Max: 5.43, ave: 4.0		Level 1
MT0021229	WESTMORELAND RESOURCES INC - ABSALOKA MINE	1221	Big Horn	Hardin	Sarpy Creek	2003	surface coal mine	012 Alkaline Mine Drainage	sediment control facilities including ponds, traps and alternate sediment control installations	No Nutrients monitoring requirements					
MT0021431	MT BEHAVIORAL HEALTH INC WWTP	8062	Deer Lodae	Galen	Clark Fork River	2007	The Galen WWTP serves the residents and employees of the non-profit 501 C-3 corporation Montana Behavioral Health, Inc. (MBH) Galen Campus.	001 — Continuous Discharge to Surface Water	activated sludge mechanical facility		Design flow: 0.1 mad	TN: Min: 7.05, Max: 39.9, ave: 23.06	TP: Min: 0.47, Max: 11.0, ave: 6.4		level 1
MT0023566	ELKHORN HEALTH CARE WWTP	8051	Jefferson	Alhambra	Prickly Pear Creek	2009	WWTP serves the residents and employees of a privately-owned nursing home facility	001 — Minor, Private	Continuous discharge, mechanical, extended aeration activated sludge Cantex package plant with no disinfection		Design Flow, Average (mgd): 0.015	TN: Min: 1.09, Max: 84, ave: 16.3	TP: Min: 0.02, Max: 5.0, ave: 1.9		level 1
MT0023604	WESTMORELAND SAVAGE CORP - SAVAGE MINE	1221	Richland	Savage	Peabody and Garden Coulees	2008	surface coal mine	001 - Overflow from North Pond 2; Mine drainage 002 - Overflow from South Pond 1; Mine drainage 003 - Overflow from South Pond 2; Mine drainage 004 - Overflow from Tipple Pond; Mine drainage 005 - Overflow from South Pond 3; Coal plant wash down and mine drainage		No Nutrients monitoring requirements	The flow rate reported for this discharge was 0.576 MGD.				
MT0023639	BOULDER HOT SPRINGS WWTP		Jefferson	Boulder	Little Boulder River	2009	privately-owned Boulder Hot Springs domestic wastewater treatment facility.		two-cell lagoon system		Design: 0.085 MGD. Average: 94 gpm	TN: Min: 0.33, Max: 2.11, ave: 0.84	TP: Min: <0.05, Max: 0.21, ave: 0.10		Level 3
MT0023965	WESTERN ENERGY CO - ROSEBUD MINE	1221	Rosebud	Colstrio	Stocker Creek, Hay Coulee, South Fork Cow Creek, Cow Creek, East Fork Armells Creek, Castle Rock Reservoir, Spring Creek, West Fork Armells Creek, Black Hank Creek, Donley Creek, Lee Coulee and Pony Creek.	1999	surface coal mine	Multiple	various sediment control facilities including ponds, traps and alternate sediment control installations	No Nutrients monitoring requirements					
MT0024210	DECKER COAL CO (EAST MINE)		Bie Horn	Decker	Tonaue River Reservoir	2006	surface coal mine	002 — treated pit water and commingled storm water discharaed from settline pond fr-1		No Nutrients requirements	Averane: 0.89 mad	TN: min: 1.71; Max: 2.04, Av: 1.87	TP: min: <0.01, max: 0.18, av: 0.1		Level 4
MT0024619	SPRING CREEK MINE	1221	Bie Horn	Decker	Sprine Creek		surface coal mine	001 - Overflow structure of Pond 1; Mine drainage 002 - Overflow structure of Pond 2; Commingled coal plant wash down, Mine drainage and pit water, and CBNG produced water 007 - Overflow structure of Pond 17; Mine drainage 012 - Overflow structure of Pond 39; Mine drainage	Each outfall is associated with a sediment pond designed to contain the runoff from a 25-year, 24-hour rainfall event.	No Nutrients monitoring requirements	0.02 med (?)				
MT0024716	STILLWATER MINING COMPANY	1021	Stillwater	Nye	Stillwater River	2007	platinum and palladium mine	001 — Mine discharge direct to Stillwater River 002 — Mine drainage to ground-water 003 — Mine drainage to ground water	coagulation, flocculation, settling, reuse, anaerobic biological treatment, and discharge to surface water.		2000 gpm	Averages: TON: 0.2; Ammonia: 0.029; Nitrate-Nitrite: 0.074.	TP: Average 0.018		Level 4
MT0026808	STILLWATER MINING COMPANY	1099	Sweet Grass	Bie Timber	East Boulder River	2000		Outfall 1 is only surface water discharge	The adit water will pass through anoxic biotreatment cells which remove nitrogen compounds through biological transformation.		737 gpm			Proposed permit for a new mine. level 3 (?)	level 3
MT0027821	BEAVERHEAD TALC MINE	1499	Madison		Middle Fork Stone Creek	2006	former open-pit and underground talc mining operation undergoing post-closure reclamation stabilization	001 Mine Drainage	Two sedimentation ponds		220,700 gpd				Level 1
MT0028321	EXXON MOBIL BILLINGS REFINERY	2911	Yellowstone	Billinas	Yellowstone River	2007	petroleum refining	001 Treated Wastewater	API separator, induced air floatation unit, a biological oxidation lagoon and three stabilization/polishine ponds		2352 gpm	Total Ammonia, as N mg/L min: <0.1 max: 0.3 Av: <0.12 Nitrite, as N mg/L min: <0.05 max: 0.95 Av: <0.16 Nitrate as N mg/L min: 0.06 max: 8.34 Av: 5.65			Level 1
MT0028428	MONTANA TUNNELS MINING INC	1099	Jefferson		Spring Creek	2007	open pit metal mine and flotation mill (silver, gold, and base metals concentrate)	001 — Mine Drainage and Storm Water 002 — Mine Drainage	Sedimetnation ponds			Nitrate plus Nitrite as Nitrogen. Average. Outfall 001: <0.05. Outfall 002: 0.33			level 5
MT0028584	LUZENAC AMERICA INC - YELLOWSTONE MINE	1499	Madison		Johnny Gulch and Unnamed Inriation Ditch	2009	open-pit talc minine and sortine operation	001 — Surface Water and Mine Pit Water 002 — Surface Water 003 — Surface Water			No discharge from Outfall 001. 55 cfs	Averages: Nitrate + Nitrite, as N 3.28; Ammonia, as N <0.01; Total Oreanic Nitrogen. as N 0.7			Level 3

MT0028983	BULL MOUNTAIN MINE #1	1221	Musselshell		Rehder Creek	2008	underground coal mine (Bituminous and Lignite Coal Mining)	001, 003, 006, 007, 008, 009 — Alkaline Mine Drainage 002, 004 — Coal Preparation Plants 005 — Western Alkaline Coal Mining	nine storm water detention ponds to treat waste and storm water runoff from within the permitted area. Treatment consists of detention of process waters and storm water to allow suspended solids to settle out.	No Nutrients monitoring requirements	175 gpm					
MT0029891	BARRETTS MINERALS INC	1499	Beaverhead	Prime Meridian	Left Fork Stone Creek	2006	open-pit talc mine	001 — Surface Water 002 — Surface Water	Pond two unlined settling/evaporation ponds,		001: 666 gpm; 002: 236 gpm	001 TN: min 2.5; max 6.9; ave 4.21. 002: min 2.0; max 4.3; ave 3.09				Level 3
MT0029980	MONTANA AVIATION RESEARCH CO	4941	Vallev		East Fork Cherry Creek via Sorine Coulee	2005	conventional potable water treatment plant	001-Process Water	each of which discharges to a third settline/evaporation pond	No Nutrients monitoring requirements	0.06 mgd. No discharge has been recorded					
MT0030015	M & W MILLING & REFINING INC	1041	Madison		Alder Creek	1998	milling facility for precious and base metals.	001 - Discharge is from the infiltration gallery. 002 - Discharge is from the underdrain to an infiltration gallery and then to groundwater	unlined impoundment	Nitrate/Nitrite as N permit limits are 1.0 for Outfall 001 and 10 fro outfall 002						Level 1
MT0030031	ASARCO LLC - MIKE HORSE/ANACONDA MINE WATER TREATMENT SYSTEM	1021	Lewis and Clark		Mike Horse Creek and Blackfoot River	2011	The Mike Horse and Anaconda Adits. Capped adits (mine drainage).	001A Mine drainage 003A Mine drainage	constructed wetlands treatment system	No Nutrients monitoring requirements	32.5 gpm					Level 1
MT0030066	COLUMBIA FALLS ALUMINUM CO	3334	Flathead	Columbia Falls	Flathead River	1998	aluminum reduction plant	paste plant briquette cooling water, emissions scrubber water, cooling water from direct chill castine and sewage treatment plant effluent	percolation ponds	No Nutrients monitoring requirements	2.4 and 2 med. Total 4.4 med					
MT0030147	ASARCO INC YELLOWSTONE ENERGY LIMITED	3339	Lewis and Clark	East Helena	Prickly Pear Creek	2010	Abandoned lead smelter	001 — Process Wastewater, Privately-owned, Minor Facility	pH adjustment, sedimentation, thickening, and filter pressing of sludge		55 gpm	Ammonia as N: 1.52 mg/l	TP: 0.25 mg/l			Level 3
MT0030180	PARTNERSHIP FACILITY	4911	Yellowstone	Billings	ExxonMobil storm water ditch	2008	steam and electric generating plant		pH adjustment		70 gpm					Level 3
MT0030252	TVX MINERAL HILL INC -TVX MINERAL HILL MINE	1041	Park	Gardiner	Bear Creek	2001	Abandoned underground precious metal mine	tailing storage 001 — Mine Drainage adit water		No Nutrients monitoring requirements	2 gpm				moving to non-discharging system.	No need to cost
MT0030279	MONTANORE MINERALS CORP MONTANORE MINE	1021 an	Lincoln		Libby Creek	2006	The adit has been closed, flooded and site has undergone reclamation.	002 — Mine Drainage adit water 003 — Mine Drainage adit water	Drainfileds			TN: min <0.07, max <1.95, av <0.021				Level 5
MT0030287	REVETT SILVER COMPANY - ROCK CREEK MINE	1021	Sanders		Clark Fork River	1997	underground copper and silver mine	001 - Direct discharge to the Clark Fork River, 002 - Seepage discharge to ground water hydraulically connected to Clark Fork River from the tailing facility 003 - Storm water from the paste storage tailing ponds to Miller Creek 004 - Direct discharge to Rock Creek 005 (internal) - Domestic wastewater treatment system into the mine drainage wastewater treatment system (Internal Outfall 005).							Draft permit for a proposed facility	No need to cost
MT0030350	REC ADVANCED SILICON MATERIALS LLC	3339	Silver Bow		Outfalls 001 and 002 to Sheep Gulch Outfall 003 to Silver Bow Creek	2010	Production of high purity polycrystalline silicon	001 — Minor Private 002 - Storm Water (integrated) 003 - Minor Private	Equalization (EQ) basin, flocculation, clarification and neutralization. Treated wastewater mixes with cooling tower blowdown water prior to discharge.		0.8 med	TN: min <0.1, max 2.6, ave: <0.7	TP: min 0.08, max: 0.4. av: 0.3			Level 3
MT0030392	M&K OIL COMPANY - WRIGHT CREEK WATER DISPOSAL FACILITY	1311	Powder River		Belle Creek	1998	Oil orroduction			No Nutrients monitoring requirements	11.67 eom					
MT0030643	SLEEPING BUFFALO HOT SPRINGS - LAGOON		Phillips	Saco	Beaver Creek	2002			1-acre, single-cell facultative lagoon system with no disinfection, with discharge of effluent to a wetland area that flows into a constructed ditch that flows into. Beaver Creek.		Design flow: 0.0129 mgd					Level 1
MT0030660	PINNACLE GAS RESOURCES - COAL CREEK DEVELOPMENT UNIT	1311	Big Horn		Tongue River	2004		001 (process wastewater)							proposed facility	Level 1
MT0030678	BARRETTS MINERALS - REGAL MINE	1099	Beaverhead						Higgins							
MT0030724	FIDELITY - TONGUE RIVER PROJECT WTF	1311	Big Horn		Tongue River	2010	coal bed natural gas		Loop Ion Exchange (IX) technology		850 or 1700 gpm	TN: 0.6				Level 4
MT0030741	HEADWATERS LIVESTOCK AUCTION		Broadwater		Jefferson River	2004	concentrated animal feeding operation	Privately Owned Treatment Works - Minor			4800 gpd (Effluent discharged to surface waters is expected to occur only during storm events greater than the 25-year/ 24-hour event)				CAFO	CAFO
MT0031411	WOLF MOUNTAIN COAL	1221	Bie Horn		Monument Creek Unnamed ephmeral tributary to the WACO Custer Canal	2006	BituMinous Coal Screenine Plant	001, Process wastewater (washdown of screening equioment: not from the ohvsical washine of coal.)	sedimentation pond.							Level 1
MT0031534	CATTLE DEVELOPMENT CENTER		Yellowstone						Higgins						CAFO	CAFO
MT0031593	JAMES GUERCIO - OW RANCH	1311	Big Horn				coal bed natural gas		Loop Ion Exchange (IX) technology		0.52-5.43 mgd					Level 4
MT0031623	IOFINA NATURAL GAS WATER TREATMENT FACILITY	1311	Hill	Gildford,	Fresno Reservoir	2009	drill and produce both natural gas and iodine.		RO							Level 5